

**ANNEX 4****RESOLUTION MSC.59(67)  
(adopted on 5 December 1996)****ADOPTION OF AMENDMENTS TO THE INTERNATIONAL CODE FOR THE  
CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING LIQUEFIED  
GASES IN BULK (IGC CODE)**

THE MARITIME SAFETY COMMITTEE,

RECALLING Article 28(b) of the Convention on the International Maritime Organization concerning the functions of the Committee,

RECALLING ALSO resolution MSC.5(48) by which it adopted the International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code),

RECALLING FURTHER article VIII(b) and regulation VIII/11.1 of the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended, concerning the procedure for amending the IGC Code,

BEING DESIROUS of keeping the IGC Code up to date,

HAVING CONSIDERED, at its sixty-seventh session, amendments to the Code proposed and circulated in accordance with article VIII(b)(i) of the SOLAS Convention,

1. ADOPTS, in accordance with article VIII(b)(iv) of the SOLAS Convention, amendments to the Code the text of which is set out in the Annex to the present resolution;
2. DETERMINES, in accordance with article VIII(b)(vi)(2)(bb) of the Convention, that the amendments shall be deemed to have been accepted on 1 January 1998, unless, prior to that date, more than one third of the Contracting Governments to the SOLAS Convention or Contracting Governments the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet, have notified their objections to the amendments;
3. INVITES Contracting Governments to note that, in accordance with article VIII(b)(vii)(2) of the SOLAS Convention, the amendments shall enter into force on 1 July 1998 upon their acceptance in accordance with paragraph 2 above;
4. REQUESTS the Secretary-General, in conformity with article VIII(b)(v) of the SOLAS Convention, to transmit certified copies of the present resolution and the text of the amendments contained in the Annex to all Contracting Governments to the SOLAS Convention;
5. FURTHER REQUESTS the Secretary-General to transmit copies of this resolution and its Annex to Members of the Organization, which are not Contracting Governments to the SOLAS Convention.

## ANNEX

### AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING LIQUEFIED GASES IN BULK (IGC CODE)

#### CHAPTER 1 - GENERAL

1 The following new paragraph 1.3.30.3. is added after existing paragraph 1.3.30.2:

"1.3.30.3 *Recognized standards* are applicable international or national standards acceptable to the Administration or standards laid down and maintained by an organization which complies with the standards adopted by the Organization\* and which is recognized by the Administration."

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\* Refer to the Minimum Standards for Recognized Organizations Acting on Behalf of the Administration, set out in appendix 1 to the Guidelines for the Authorization of Organizations Acting on Behalf of the Administration, adopted by the Organization by resolution A.739(18).

#### CHAPTER 2 - SHIP SURVIVAL CAPABILITY AND LOCATION OF CARGO TANKS

2 In paragraph 2.3.3, the words "should be of a type acceptable to the Administration and" are deleted and the words "and should comply with recognized standards" are added at the end of the paragraph.

#### CHAPTER 3 - SHIP ARRANGEMENTS

3 In paragraph 3.8.1, the words "to the approval of the Administration and" are deleted.

#### CHAPTER 4 - CARGO CONTAINMENT

4 In paragraph 4.2.4.2, in the first sentence, the words "Recognized Standards\*" are replaced by the words "recognized standards".

5 In paragraph 4.2.4.3, in the second sentence, the words "(gravity tests)" are replaced by the words "(gravity tanks)".

6 In paragraph 4.2.4.4, the expression "55 N/mm<sup>2</sup> for ferritic/martensitic steel" is replaced by the expression "55 N/mm<sup>2</sup> for ferritic-perlitic, martensitic and austenitic steels".

7 In the introductory phrase of paragraph 4.11.2, the words "with the approval of the Administration" are deleted.

## **CHAPTER 5 - PROCESS PRESSURE VESSELS AND LIQUID, VAPOUR AND PRESSURE PIPING SYSTEMS**

8 In paragraph 5.2.2.1, in the definition of the efficiency factor "e", the existing text of the last sentence is replaced by the following:

"In other cases an efficiency factor of less than 1.0, in accordance with recognized standards, may be required depending on the manufacturing process."

9 In the paragraph 5.2.4.4, in the first sentence, the words "be to a standard acceptable to the Administration" are replaced by the words "should comply with recognized standards" and at the end of the second sentence, the words "by the Administration" are deleted.

10 In paragraph 5.4.1, the existing text of the second sentence is replaced by the following:

"Relaxations from these requirements may be accepted, in accordance with recognized standards, for piping inside cargo tanks and open-ended piping."

11 In paragraph 5.4.2.2, the words "satisfactory to the Administration" are replaced by the words "in accordance with recognized standards".

12 In paragraph 5.4.2.3, the words "acceptable to the Administration" are replaced by the words "complying with recognized standards".

13 In paragraph 5.4.3.2, in the first sentence, the words "standards acceptable to the Administration" are replaced by the words "recognized standards".

14 In paragraph 5.6.4, in the sixth sentence, the words "with 30 s of actuation" are replaced by the words "within 30 s of actuation".

## **CHAPTER 8 - CARGO TANK VENT SYSTEMS**

15 In paragraph 8.2.2, the words "to the satisfaction of the Administration" are replaced by the words "complying with recognized standards".

## **CHAPTER 11 - FIRE PROTECTION AND FIRE EXTINCTION**

16 In paragraph 11.2.4, in the second sentence, the words "All pipes, valves nozzles" are replaced by the words "All pipes, valves, nozzles".

## **CHAPTER 13 - INSTRUMENTATION (GAUGING, GAS DETECTION)**

17 In paragraph 13.3.1, in the last sentence, the word "Administration" is deleted and the words "port Administration" are replaced by the words "port State authority".

18 In paragraph 13.6.9, the expression "column h" is replaced by the expression "column i".

#### **CHAPTER 14 - PERSONNEL PROTECTION**

19 In paragraph 14.4.1, the expression "column h" is replaced by the expression "column i".

#### **CHAPTER 16 - USE OF CARGO AS FUEL**

20 In paragraph 16.5.6, in the second sentence, the words "and these arrangements should be to the satisfaction of the Administration" are deleted.

#### **CHAPTER 17 - SPECIAL REQUIREMENTS**

21 In paragraph 17.20.3.1, in the first sentence, the words "or other material acceptable to the Administration" are replaced by the words "in accordance with recognized standards," and the second sentence is deleted.

22 In paragraph 17.20.14, in the first sentence, the words "filling limits" are replaced by the words "loading limits".

#### **CHAPTER 19 - SUMMARY OF MINIMUM REQUIREMENTS**

23 In column "f" of the table, for the product "Butadiene", the entry "F" is replaced by the entry "F+T".

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